

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/980,804

DATE: 12/21/2001

TIME: 12:53:03

Input Set : A:\WST91seqlist.txt

Output Set: N:\CRF3\12212001\I980804.raw

ENTERED

4 <110> APPLICANT: Otvos Jr., Laszlo
 6 <120> TITLE OF INVENTION: Novel Pyrrhocoricin-Derived Peptides, and Methods of
 7 Use Thereof
 9 <130> FILE REFERENCE: WST91BUSA
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/980,804
 C--> 12 <141> CURRENT FILING DATE: 2001-12-03
 14 <150> PRIOR APPLICATION NUMBER: 60/140,606
 15 <151> PRIOR FILING DATE: 1999-06-23
 17 <150> PRIOR APPLICATION NUMBER: 60/154,135
 18 <151> PRIOR FILING DATE: 1999-09-15
 20 <160> NUMBER OF SEQ ID NOS: 30
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 18
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <221> NAME/KEY: MOD_RES
 31 <222> LOCATION: (1)
 32 <223> OTHER INFORMATION: Asp in position 1 is attached to one or more
 33 modified amino acids or to a chemical group
 35 <220> FEATURE:
 36 <221> NAME/KEY: MOD_RES
 37 <222> LOCATION: (4)
 38 <223> OTHER INFORMATION: Xaa can be Ser or any amino acid
 40 <220> FEATURE:
 41 <221> NAME/KEY: MOD_RES
 42 <222> LOCATION: (5)
 43 <223> OTHER INFORMATION: Xaa can be Tyr or any amino acid
 45 <220> FEATURE:
 46 <221> NAME/KEY: MOD_RES
 47 <222> LOCATION: (17)
 48 <223> OTHER INFORMATION: Xaa can be Asn or any amino acid
 50 <220> FEATURE:
 51 <221> NAME/KEY: MOD_RES
 52 <222> LOCATION: (18)
 53 <223> OTHER INFORMATION: Xaa can be Arg or any amino acid and is attached to one or
 54 more modified amino acids or to a chemical group
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: modification of Pyrrhocoricin
 61 <400> SEQUENCE: 1 /
 W--> 62 Asp Lys Gly Xaa Xaa Leu Pro Arg Pro Thr Pro Pro Arg Pro Ile Tyr
 63 1 5 10 15
 W--> 65 Xaa Xaa
 68 <210> SEQ ID NO: 2
 69 <211> LENGTH: 20
 70 <212> TYPE: PRT

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71 <213> ORGANISM: Pyrrhocoricin
73 <220> FEATURE:
74 <221> NAME/KEY: MOD_RES
75 <222> LOCATION: (11)
76 <223> OTHER INFORMATION: Thr in position 11 is modified with Gal-GalNAC
78 <400> SEQUENCE: 2
79 Val Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro Ile
80   1           5           10           15
82 Tyr Asn Arg Asn
83           20
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 10
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: modification of Pyrrhocoricin
94 <400> SEQUENCE: 3
95 Arg Pro Pro Thr Pro Arg Pro Leu Lys Val
96   1           5           10
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 18
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <221> NAME/KEY: MOD_RES
106 <222> LOCATION: (1)
107 <223> OTHER INFORMATION: Asp in position 1 is modified by a
108     1-aminocyclo-hexane carboxylic acid
110 <220> FEATURE:
111 <221> NAME/KEY: MOD_RES
112 <222> LOCATION: (18)
113 <223> OTHER INFORMATION: Arg in position 18 is modified by an amino linker
114     moiety
116 <220> FEATURE:
117 <223> OTHER INFORMATION: modification of Pyrrhocoricin
119 <400> SEQUENCE: 4
120 Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro Ile Tyr
121   1           5           10           15
123 Asn Arg
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 5
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: modification of Pyrrhocoricin
134 <400> SEQUENCE: 5
135 Lys Val Asp Lys Val
136   1           5
139 <210> SEQ ID NO: 6

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140 <211> LENGTH: 20
141 <212> TYPE: PRT
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144 <220> FEATURE:
145 <223> OTHER INFORMATION: modification of Pyrrhocoricin
147 <400> SEQUENCE: 6
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149   1           5           10           15
151 Tyr Asn Arg Asn
152           20
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155 <211> LENGTH: 24
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
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160 <221> NAME/KEY: MOD_RES
161 <222> LOCATION: (1)
162 <223> OTHER INFORMATION: ACETYLTATION
164 <220> FEATURE:
165 <223> OTHER INFORMATION: modification of Pyrrhocoricin
167 <400> SEQUENCE: 7
168 Lys Val Asp Lys Val Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro
169   1           5           10           15
171 Pro Arg Pro Ile Tyr Asn Arg Asn
172           20
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 21
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
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180 <221> NAME/KEY: MOD_RES
181 <222> LOCATION: (1)
182 <223> OTHER INFORMATION: ACETYLTATION
184 <220> FEATURE:
185 <223> OTHER INFORMATION: modification of Pyrrhocoricin
187 <400> SEQUENCE: 8
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189   1           5           10           15
191 Ile Tyr Asn Arg Asn
192           20
195 <210> SEQ ID NO: 9
196 <211> LENGTH: 21
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <221> NAME/KEY: MOD_RES
202 <222> LOCATION: (1)
203 <223> OTHER INFORMATION: ACETYLTATION
205 <220> FEATURE:

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206 <223> OTHER INFORMATION: modification of Pyrrhocoricin
 208 <400> SEQUENCE: 9
 209 Lys Val Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro
 210 1 5 10 15
 212 Ile Tyr Asn Arg Asn
 213 20
 216 <210> SEQ ID NO: 10
 217 <211> LENGTH: 19
 218 <212> TYPE: PRT
 219 <213> ORGANISM: Artificial Sequence
 221 <220> FEATURE:
 222 <221> NAME/KEY: MOD_RES
 223 <222> LOCATION: (1)
 224 <223> OTHER INFORMATION: Asp in position 1 is modified by a
 225 1-aminocyclo-hexane carboxylic acid
 227 <220> FEATURE:
 228 <223> OTHER INFORMATION: modification of Pyrrhocoricin
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 233 Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro Ile Tyr
 234 1 5 10 15
 236 Asn Arg Asn
 239 <210> SEQ ID NO: 11
 240 <211> LENGTH: 20
 241 <212> TYPE: PRT
 242 <213> ORGANISM: Artificial Sequence
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 245 <221> NAME/KEY: MOD_RES
 246 <222> LOCATION: (1)
 247 <223> OTHER INFORMATION: ACETYLATION
 249 <220> FEATURE:
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 251 <222> LOCATION: (11)
 252 <223> OTHER INFORMATION: Thr in position 11 is modified with Gal-GalNAc
 254 <220> FEATURE:
 255 <223> OTHER INFORMATION: modification of Pyrrhocoricin
 257 <400> SEQUENCE: 11
 258 Val Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro Ile
 259 1 5 10 15
 261 Tyr Asn Arg Asn
 262 20
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 267 <213> ORGANISM: Artificial Sequence
 269 <220> FEATURE:
 270 <221> NAME/KEY: MOD_RES
 271 <222> LOCATION: (1)
 272 <223> OTHER INFORMATION: ACETYLATION
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275 <221> NAME/KEY: MOD_RES
276 <222> LOCATION: (20)
277 <223> OTHER INFORMATION: Arg in position 20 is modified by an imide group
279 <220> FEATURE:
280 <223> OTHER INFORMATION: modification of Pyrrhocoricin
282 <400> SEQUENCE: 12
283 Lys Val Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro
284   1           5           10           15
286 Ile Tyr Asn Arg
287           20
290 <210> SEQ ID NO: 13
291 <211> LENGTH: 20
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <221> NAME/KEY: MOD_RES
297 <222> LOCATION: (1)
298 <223> OTHER INFORMATION: ACETYLATION
300 <220> FEATURE:
301 <221> NAME/KEY: MOD_RES
302 <222> LOCATION: (20)
303 <223> OTHER INFORMATION: Arg in position 20 is modified by a
304   beta-acetyl-2,3-diamino propionic acid group
306 <220> FEATURE:
307 <223> OTHER INFORMATION: modification of Pyrrhocoricin
309 <400> SEQUENCE: 13
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311   1           5           10           15
313 Ile Tyr Asn Arg
314           20
317 <210> SEQ ID NO: 14
318 <211> LENGTH: 21
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial Sequence
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323 <221> NAME/KEY: MOD_RES
324 <222> LOCATION: (1)
325 <223> OTHER INFORMATION: ACETYLATION
327 <220> FEATURE:
328 <221> NAME/KEY: MOD_RES
329 <222> LOCATION: (21)
330 <223> OTHER INFORMATION: Asn in position 21 is modified by a
331   2-acetamido-2-deoxyglucose group
333 <220> FEATURE:
334 <223> OTHER INFORMATION: modification of Pyrrhocoricin
336 <400> SEQUENCE: 14
337 Lys Val Asp Lys Gly Ser Tyr Leu Pro Arg Pro Thr Pro Pro Arg Pro
338   1           5           10           15
340 Ile Tyr Asn Arg Asn

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/980,804

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Input Set : A:\WST91seqlist.txt

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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1